



# California Medicine

THE WESTERN JOURNAL  
OF MEDICINE

OWNED AND PUBLISHED BY THE  
CALIFORNIA  
MEDICAL  
ASSOCIATION

693 Sutter Street, San Francisco, California 94102 • Telephone (415) 776-9400

editorial communications to:  
MALCOLM S. M. WATTS, M.D.

business communications to:  
LYTTON O. HETLAND  
Business Manager

## Editorial Board

*Chairman of the Board:*  
Malcolm S. M. Watts, San Francisco

*Allergy:*  
M. Coleman Harris, San Francisco  
Norman Shure, Los Angeles

*Anesthesiology:*  
John P. Bunker, Palo Alto  
John B. Dillon, Los Angeles

*Dermatology and Syphilology:*  
Rees B. Rees, San Francisco  
Richard B. Stoughton, La Jolla

*General Practice:*  
Frank W. Norman, Santa Rosa  
Robert L. Hippen, San Diego

*General Surgery:*  
William P. Longmire, Jr., Los Angeles  
Richard E. Gardner, San Francisco

*Industrial Medicine and Toxicology:*  
Homer S. Elmquist, Los Angeles  
Charles H. Hine, San Francisco

*Internal Medicine:*  
Verner J. Johns, Jr., Loma Linda  
J. Edward Berk, Irvine  
Robert J. Bolt, Davis  
Donald W. Petit, Los Angeles  
Edgar Wayburn, San Francisco  
Marcus A. Krupp, Palo Alto  
Nathan J. Zvaifler, San Diego

*Neurology:*  
Robert A. Fishman, San Francisco  
Pierre Dreyfus, Davis

*Obstetrics and Gynecology:*  
William J. Dignam, Los Angeles  
Ernest W. Page, San Francisco

*Ophthalmology:*  
David O. Harrington, San Francisco  
Robert M. Sinskey, Santa Monica

*Orthopedics:*  
Paul E. McMaster, Beverly Hills  
John A. Blosser, Oakland

*Otolaryngology:*  
Paul H. Ward, Los Angeles  
Mansfield F. W. Smith, San Jose

*Pathology and Bacteriology:*  
Averill A. Liebow, San Diego

*Pediatrics:*  
Henry R. Shinefield, San Francisco  
Paul F. Wehrle, Los Angeles

*Pharmacology:*  
Kenneth L. Melmon, San Francisco  
Sydney M. Finegold, Los Angeles

*Physical Medicine:*  
Elizabeth S. Austin, Los Angeles  
Gregory Bard, San Francisco

*Plastic Surgery:*  
Richard L. Dakin, San Rafael  
N. John Wilde, Fresno

*Psychiatry:*  
Leon J. Epstein, San Francisco  
Norman Q. Brill, Los Angeles

*Public Health:*  
Edward Lee Russell, Santa Ana  
Louis F. Saylor, Berkeley

*Radiology:*  
Alexander R. Margulis, San Francisco  
Robert B. Engle, Pasadena

*Thoracic and Cardiac Surgery:*  
Beatty H. Ramsay, Los Angeles  
Norman E. Shumway, Jr., Palo Alto

*Urology:*  
Thomas F. Conroy, San Mateo  
Ruben F. Gittes, La Jolla

*Consultants in Medical Services and Health Care:*  
Gerald A. Besson, Sunnyvale  
Paul Scholten, San Francisco

EDITOR . . . . . MALCOLM S. M. WATTS, M.D.  
ASSOCIATE EDITOR . . . . . LLOYD H. SMITH, JR., M.D.  
MANAGING EDITOR . . . . . ROBERT F. EDWARDS

### Policy Committee — Editorial Board

JEAN F. CRUM . . . . . Downey  
THOMAS N. ELMENDORF . . . . . Willows  
JOSEPH F. BOYLE . . . . . Los Angeles  
HENRY V. EASTMAN . . . . . Tuftin  
JOHN T. SAIDY . . . . . San Mateo  
HELEN B. WEYRAUCH . . . . . San Francisco  
MALCOLM S. M. WATTS . . . . . San Francisco

*Advertisements* — CALIFORNIA MEDICINE is published the first week of each month. Advertising copy must be received not later than the first of the month preceding issue. Advertising rates will be sent on request. Acceptance of advertising is contingent upon approval by the Advertising Committee.

### SALES REPRESENTATIVES:

EAST:  
UNITED MEDIA ASSOCIATES, INC.  
16 BRUCE PARK AVE.  
GREENWICH, CONN. 06830  
TEL. (203) 661-9702

WEST:  
MELVIN B. TYLER  
693 SUTTER ST.  
SAN FRANCISCO, CA. 94102  
TEL. (415) 776-9400

Copyright, 1973, by the California Medical Association.

All material subject to this copyright appearing in CALIFORNIA MEDICINE may be photocopied for the non-commercial purpose of scientific or educational advancement.

Subscription prices, \$8 (\$9 for foreign countries); student subscriptions \$4; single copies 80 cents.

Volumes begin with the first of January and the first of July. Subscriptions may commence at any time.

*Change of Address* — Requests for change of address should give both the old and new address, and should be made by county secretaries or by the member concerned.

### Contributions of Scientific and Original Articles

*Responsibilities for Statements and Conclusions in Original Articles* — Authors are responsible for all statements, conclusions and methods of presenting their subjects. These may or may not be in harmony with the views of the editorial staff. It is aimed to permit authors to have as wide latitude as the general policy of the Journal and the demands on its space may permit. The right to reduce, revise or reject any manuscript is always reserved.

*Exclusive Publication* — Articles are accepted for publication on condition that they are contributed solely to this Journal. Ordinarily contributors will be notified within 60 days if a manuscript is accepted for publication. Every effort will be made to return unused manuscripts.

*Length of Articles* — Ordinarily articles should not exceed 3,000 words (approximately 5 printed pages). Under exceptional circumstances only will articles of over 4,000 words be published.

*Manuscripts* — Manuscripts should be typewritten, double spaced and the original typescript plus one copy submitted.

*Illustrations* — Ordinarily publication of 2 or 3 illustrations accompanying an article will be paid for by CALIFORNIA MEDICINE. Any number beyond this will have to be paid for by the author.

*References* — Should conform to the following order: name of author, title of article, name of periodical, with volume, inclusive pages, month, and year—i.e.: Lee GS: The heart rhythm following therapy with digitalis. Arch Int Med 44:554-562, Dec 1942. They should be listed in the order in which they are cited in the text and numbered in sequence.

*Reprints* — Reprints must be paid for by the author at established standard rates.

### Contributions of "Letters to the Editor"

The Editorial Board will be glad to receive and consider for publication letters containing information of general interest to physicians throughout the State or presenting constructive criticisms on controversial issues of the day.

"Entered as second class matter at the post office in San Francisco and additional mailing offices under the Act of March 3, 1879." Acceptance for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, authorized August 10, 1918.

the study, the reason for the elimination is stated and the elimination is made before randomization. Frequently voiced misgivings as to whether patients and referring physicians would accept such a program have proved groundless. The program has had the most careful and repetitive scrutiny at the National Institutes of Health, and I think we can look forward to some valuable results in years ahead.

#### REFERENCES

1. Fisher B, Ravdin RG, Ausman RK, et al: Surgical adjuvant chemotherapy in cancer of the breast—Results of a decade of cooperative investigation. *Ann Surg* 168:337, 1968
2. Fisher B, Slack NH, Cavanaugh PS, et al: Postoperative radiotherapy in the treatment of breast cancer. *Ann Surg* 172:711, 1970

3. Ravdin RG, Lewison EF, Slack NH, et al: The worth of prophylactic oophorectomy in the treatment of operable breast cancer—Results of the NSABP clinical trial. *Surg, Gyn, Obstet* 131:1055, 1970
4. Fisher B: Status of adjuvant therapy—Results of the national surgical adjuvant breast project studies on oophorectomy, post-operative radiation therapy and chemotherapy. *Cancer* 28:1654, 1971
5. Butcher HR: Mammary cancer—The truth. *Surgery* 71:791, 1972
6. Haagensen CD, Miller E: Is radical mastectomy the optimal procedure for early breast carcinoma? In Egdahl RH, Mannick JA (Eds): *Modern Surgery*, New York, Grune & Stratton, 1970
7. McWhirter R: Simple mastectomy and radiotherapy in treatment of breast cancer. *Br J Radiol* 28:128, 1955
8. Smith SS, Meyer AC: Cancer of the breast in Rockford, Illinois. *Am J Surg* 98:653, 1959
9. Crile G Jr: Results of simple mastectomy without irradiation in the treatment of operative Stage I cancer of the breast. *Ann Surg* 168:330, 1968
10. Crile G Jr, Hoerr SO: Results of the treatment of carcinoma of the breast by local excision. *Surg, Gyn, Obstet* 132:780, 1971
11. Brinkley D, Haybittle JL: Treatment of Stage II carcinoma of the female breast. *Lancet* 2:291, 1966

## California Medicine SUBSCRIPTION ORDER BLANK

Check One

New Subscription ( )

Renewal Subscription ( )

Regular: \$8.00 ( )  
Residents, Interns, Medical Students: \$4.00 ( )  
Retired CMA Members: \$4.00 ( )

For Foreign Subscriptions,  
Please Add \$1.00 For Postage

Please Send California Medicine To:

Name \_\_\_\_\_

Address \_\_\_\_\_

City, State \_\_\_\_\_ Zip \_\_\_\_\_

★ MAKE CHECKS PAYABLE TO CALIFORNIA MEDICAL ASSOCIATION ★

Mail To: Circulation Desk, California Medical Association,  
683 Sutter Street, San Francisco, California 94102

ADDRESS CHANGE??? Please Enclose a Mailing Label In Order To Insure Prompt Service.

## BRIEF SUMMARY

**Caution:** Federal law prohibits dispensing without prescription.

**Description:** Mandelamine (methenamine mandelate), a urinary antibacterial agent, is the chemical combination of mandelic acid with methenamine.

**Indications:** Mandelamine (methenamine mandelate) is indicated for the suppression or elimination of bacteriuria associated with pyelonephritis, cystitis and other chronic urinary tract infections; also for infected residual urine sometimes accompanying neurologic diseases. When used as recommended, Mandelamine is particularly suitable for long-term therapy because of its safety and because resistance to the nonspecific bactericidal action of formaldehyde does not develop. Pathogens resistant to other antibacterial agents may respond to Mandelamine because of the nonspecific bactericidal effect of formaldehyde in an acid urine.

**Contraindication:** Contraindicated in renal insufficiency.

**Precautions:** Dysuria may occur (usually at higher than recommended dosage). This can be controlled by reducing the dosage and/or acidification. When urine acidification is contraindicated or unattainable (as with some urea-splitting bacteria), the drug is not recommended.

**Adverse Reactions:** An occasional patient may experience gastrointestinal disturbance or a generalized skin rash.

**Dosage and Management:** The average adult dose is 4 grams daily given as 1.0 Gm after each meal and at bedtime. Children 6 to 12 should receive half the adult dose and children 5 years of age or under should receive 250 mg per 30 lb body weight, four times daily. Since an acid urine is essential for antibacterial activity with maximum efficacy occurring at pH 5.5 or below, restriction of alkalinizing foods and medication is thus desirable. If testing of urine pH reveals the need, supplemental acidification should be given.

**Supplied:** 1 Gm Tablets, 1.0 Gm, purple enteric coated, bottles of 100 and 1000. ½ Gm Tablets, 0.5 Gm, brown enteric coated, bottles of 100 and 1000. ¼ Gm Tablets, 0.25 Gm, brown enteric coated, bottles of 100 and 1000.

### **Additional Dosage Form:**

Mandelamine Suspension Forte containing 500 mg methenamine mandelate per teaspoonful, in bottles of 8 fl. oz. and 16 fl. oz. This pink cherry-flavored Suspension Forte is especially useful for pediatric patients and for those adults who cannot or will not swallow a tablet.

Full information is available on request.



**WARNER-CHILCOTT**  
Division, Warner-Lambert Company  
Morris Plains, N.J. 07950

# STACEY'S

## THE NATION'S LARGEST MEDICAL BOOK CENTER

Single Source Service  
for Medical Books  
from *all* Publishers

Orders by Mail or Phone Promptly Filled  
Use your BankAmericard or MasterCharge

### Stacey's

A Subsidiary of Bro-Dart Industries

581 MARKET STREET, SAN FRANCISCO, CALIF. 94105  
(415) 421-4687

405 CALIFORNIA AVENUE, PALO ALTO, CALIF. 94306  
(415) 362-0681

15255 EAST DON JULIAN ROAD  
CITY OF INDUSTRY, CALIF. 91747  
(213) 968-6411

## BOOKS RECEIVED

*Books received by CALIFORNIA MEDICINE are acknowledged in this column. Selections will be made for more extensive review in the interest of readers as space permits.*

**ADVANCES IN ELECTROCARDIOGRAPHY—Volume I—Cardiovascular Diseases—Current Status and Advances** (Series Consultants: J. Willis Hurst, MD, Professor and Chairman, Department of Medicine, Emory University School of Medicine, Atlanta, and Dean T. Mason, MD, Professor, Departments of Medicine and Physiology, and Chief, Section of Cardiovascular Medicine, University of California, Davis, School of Medicine)—Edited by Robert C. Schiant, MD, Professor of Medicine and Director, Division of Cardiology, and J. Willis Hurst, MD, Professor and Chairman, Department of Medicine, both Emory University School of Medicine, Atlanta; with 32 contributors. Grune & Stratton, Inc., 111 Fifth Ave., New York City (10003), 1972. 464 pages, \$24.75.

**BODY, MIND, AND THE B VITAMINS**—Ruth Adams and Frank Murray. Larchmont Books, 25 West 45th St., New York City (10036), 1972. 256 pages, \$1.50 (Paperback).

**BONE TUMORS—Fourth Edition**—Louis Lichtenstein, MD, Clinical Professor of Pathology, University of California, San Francisco; Professor Extraordinario, National University of Mexico. The C. V. Mosby Company, 11830 Westline Industrial Drive, St. Louis, Mo. (63141), 1972. 441 pages, 496 illustrations in 252 figures, \$24.50.

**CANCER—The Wayward Cell—Its Origins, Nature, and Treatment**—Victor Richards, MD, University of California Press, 2223 Fulton Street, Berkeley, Ca. (94720), 1972. 328 pages, \$8.50.

**CLINICAL CONCEPTS OF INFECTIOUS DISEASES**—Authored and Edited by Leighton E. Cluff, MD, Professor of Medicine, Chairman, Department of Medicine, University of Florida College of Medicine, Gainesville; Joseph E. Johnson, III, MD, Professor of Medicine, Head, Division of Infectious Diseases and Clinical Immunology, Department of Medicine, University of Florida College of Medicine, Gainesville. The Williams & Wilkins Company, 428 E. Preston, Baltimore (21202), 1972. 421 pages, \$16.50.

**COMPUTERS IN MEDICINE—Proceedings of the Second International Symposium held at Blackburn College of Technology and Design on 16th and 17th March 1971**—Edited by J. Rose, PhD, FRIC, FIL, MBIM, M INST C SC, Director-General, World Organisation of General Systems and Cybernetics. The Williams & Wilkins Company, 428 E. Preston Street, Baltimore (21202), 1972. 166 pages, \$13.25.

**CORE TEXTBOOK OF SURGERY**—Edited by Richard H. Egdaal, MD, Professor and Chairman, Department of Surgery, Boston University School of Medicine; John A. Mannick, MD, Professor of Surgery, Boston University School of Medicine; Lester F. Williams, Jr., MD, Professor of Surgery, Boston University School of Medicine. Grune & Stratton, Inc., Medical and Scientific Publishers, 111 Fifth Avenue, New York City (10003), 1972. 484 pages, \$8.75 (softcover), \$13.50 (hardcover).

**CURRENT PEDIATRIC DIAGNOSIS AND TREATMENT—Second Edition**—C. Henry Kempe, MD, Professor of Pediatrics and Chairman, Department of Pediatrics; Henry K. Silver, MD, Professor of Pediatrics; and Donough O'Brien, MD, FRCP, all from the University of Colorado School of Medicine, Denver; and Associate Authors. Lange Medical Publications, Drawer L, Los Altos, Ca. (94022), 1972. 1008 pages, \$12.00.

(Continued on Page 54)

Intercommunity Hospital, Huntington Beach; Fairview State Hospital, Costa Mesa; Metropolitan State Hospital, Norwalk; South Coast Community Hospital, Laguna Beach. Contact: UCI.

**Continuously—Lecture Program.** Riverside-San Bernardino Chapter, American Academy of General Practice and UCI at Ram's Horn Inn, San Bernardino. 3rd Thursday of each month. 7:30 p.m. Contact: UCI.

**Continuously—Professional Education Program.** Porterville State Hospital. Contact: Frank McCarry, MD, P.O. Box 2000, Porterville. (209) 784-2000.

**Continuously—The Care of the Critically Ill Patient.** Merced-Mariposa County Medical Society and STAN at Merced General Hospital, Merced. April 1972 through June 1973. 9:00-11:00 a.m. \$25. April 11—Obstetrical Emergencies. May 10—Injuries to Hand and Face. Contact: Mrs. Iva D. Rutledge, Exec. Secy., P.O. Box 549, Merced 95340.

**Continuously—Workshops for Family Physicians.** UCSD and RMP Area VII. November 1972 through May 1973. First and Second Wednesday of each month. 7:00-10:30 p.m. \$25 per lecture. 7 hrs. each.

**Continuously—Round Tables with Pacific Medical Center.** PMC and Sonoma Valley Hospital at Sonoma Valley Hospital, Sonoma. Second Monday of each month in Dining Room of the hospital, 8:00-10:00 p.m. \$100 per series, \$15 per session. Contact: William J. Newman, MD, P.O. Box B, Sonoma 95476. (707) 996-3621.

**Continuously—Basic Science Lecture Series.** UCSD. Mondays, 4:00 p.m., third floor conference room, University Hospital of San Diego County, San Diego. Contact: UCSD.

**Continuously—Audio-Digest Foundation.** A non-profit subsidiary of CMA. Twice-a-month tape recorded summaries of leading national meetings and surveys of current literature. Services by subscription in: General Practice, Surgery, Internal Medicine, Ob/Gyn, Pediatrics, Psychiatry, Anesthesiology, Ophthalmology, Otorhinolaryngology. Catalog of lectures and panel discussions in all areas of medical practice also available. \$75 per year. Contact: Mr. Claron L. Oakley, Editor, Suite 700, 1930 Wilshire Blvd., Los Angeles 90057. (213) 483-3451.

**Continuously—Medical Media Network.** Programs and study guides produced in association with faculties of major medical schools and centers throughout California. MMN administered by University Extension, UCLA. Subscriptions for all California hospitals, rental or purchase, 16 mm, super 8 mm, one-inch videotape. Provides physicians throughout the state with current educational programs in local hospitals. Consult the nearest MMN Hospital regarding time and date for viewing. Contact: Kathryn Alexander, Commun. Coord., MMN, 10995 Le Conte Ave., Los Angeles 90024. (213) 825-1791.

**Continuously—Stanford Speaker's Bureau for Environmental Topics.** Stanford University Committee for Environmental Information. Provides on request speakers and programs on environmental topics. Air pollution, water pollution and water conservation issues, radiation hazards and radiation technology, pesticides and their ecological problems, medicine's responsibilities in the environmental-ecology crisis and others. Contact: STAN.

**Continuously—Stanford-Mills Memorial Hospital Continuing Education Program.** STAN at Mills Memorial Hospital, San Mateo. Tuesday-Friday weekly. Basic Science for the Clinician, Grand Rounds, Intensive Care. Contact: STAN.

(Continued from Page 43)

**CURRENT PSYCHIATRIC THERAPIES—Volume 12**—Edited by Jules H. Masserman, MD, Professor of Psychiatry and Neurology, Northwestern University, Chicago. Grune & Stratton, Inc., Medical and Scientific Publishers, 111 Fifth Avenue, New York City (10003), 1972. 264 pages, \$16.00.

**THE CYTOLOGIC DIAGNOSIS OF CANCER—Third Edition**—Ruth M. Grahaam. The Heyman Laboratory, Buffalo, N.Y. W. B. Saunders Company, West Washington Square, Philadelphia (19105), 1972. 476 pages, 442 illustrations (34 in color), \$20.10.

**DISORDERS OF THE RESPIRATORY TRACT IN CHILDREN—Volume I—Pulmonary Disorders—Second Edition**—Edited by Edwin L. Kendig, Jr., MD, Professor of Pediatrics, Medical College of Virginia, Health Sciences Division, Virginia Commonwealth University, Richmond. W. B. Saunders Company, West Washington Square, Philadelphia (19105), 1972, 852 pages, \$32.50.

**EATER'S DIGEST—The Consumer's Factbook of Food Additives**—Michael F. Jacobson, Doubleday & Co., Inc., 100 Park Avenue, New York City (10017), 1972. 260 pages, \$5.95.

**EMERGENCY ROOM CARE—The Twenty-Third Hahnemann Symposium**—Edited by Wilbur W. Oaks, MD, Professor and Acting Chairman, Department of Medicine; Stanley Spitzer, MD, Clinical Assistant Professor, Department of Medicine; and General Editor John H. Moyer, MD, Professor, Department of Medicine and Executive Vice President for Academic Affairs, all Hahnemann Medical College and Hospital, Philadelphia. Grune & Stratton, Inc., 111 Fifth Ave., New York City (10003), 1972. 300 pages, \$18.50.

**FOLATE ANTAGONISTS AS CHEMOTHERAPEUTIC AGENTS—Volume 186 of Annals of the New York Academy of Sciences**—Editor: Joseph R. Bertino, MD, The New York Academy of Sciences, 2 East 63rd Street, New York City (10021), 1971. 519 pages, \$27.00 (Paperback).

**FOOD ALLERGY—Its Manifestation and Control and the Elimination Diets—A Compendium**—Albert H. Rowe, MD, Lecturer in Medicine (Emeritus), University of California School of Medicine, San Francisco, Allergist, Samuel Merritt Hospital, Oakland, California; in collaboration with Albert Rowe, Jr., MD, Department of Medicine, Highland Hospital and Samuel Merritt Hospital, Oakland. Charles C. Thomas, Publisher, 301-327 East Lawrence Avenue, Springfield, IL (62703), 1972. 687 pages \$20.00.

**FUNDAMENTALS OF THE TRACER METHOD**—Teresa J. C. Welch, MS, Assistant Professor of Chemistry, Lindenwood College, St. Charles, Mo.; E. James Potchen, MD, Professor of Radiology, Director of Nuclear Medicine, and Michael J. Welch, PhD, Associate Professor of Radiation Chemistry in Radiology, both Mallinckrodt Institute of Radiology, Washington University School of Medicine, St. Louis, Mo. W. B. Saunders Company, West Washington Square, Philadelphia (19105), 1972. 187 pages, illustrated, \$9.75.

**A GUIDE TO BEHAVIORAL ANALYSIS AND THERAPY**—Robert Paul Liberman, MD, Research Psychiatrist, Center for the Study of Behavioral Disorders, Camarillo State Hospital, Camarillo, California, and Assistant Clinical Professor of Psychiatry, UCLA, School of Medicine, Pergamon Press, Inc., Maxwell House, Fairview Park, Elmsford, N.Y. (10523), 1972. 343 pages, \$5.50 (softcover), \$9.50 (hardcover).

**GUIDE TO DRUG REHABILITATION—A Public Health Approach**—Roger E. Meyer, MD; Foreword by Jerome H. Jaffe, MD. Beacon Press, 25 Beacon Street, Boston (02108), 1972. 171 pages, \$5.95.

**HANDBOOK OF PHARMACOLOGY—The Actions and Uses of Drugs—Fifth Edition.** Windsor C. Cutting, MD, Dean, School of Medicine, and Professor of Pharmacology, University of Hawaii. Appleton-Century-Crofts, Educational Division, Meredith Corporation, 440 Park Avenue South, New York City (10016), 1972. 659 pages, \$9.95.

**HELP YOURSELF TO HEALTH**—Linda A. Clark, MA, Pyramid House, Pyramid Publication, 919 Third Avenue, New York City (10022), 1972. 267 pages, \$7.95.

**HUMAN STRUCTURE—A Companion to Anatomical Studies**—C. Roland Leeson, MD, PhD, Professor and Chairman, Department of Anatomy, The University of Missouri School of Medicine, Columbia; Thomas S. Leeson, MD, PhD, Professor and Chairman, Department of Anatomy, University of Alberta, Faculty of Medicine, Edmonton, Alberta. W. B. Saunders Company, West Washington Square, Philadelphia (19105), 1972. 383 pages, \$11.00.

**ILLUSTRATED HUMAN EMBRYOLOGY—Volume I—Embryogenesis**—H. Tuchmann-Duplessis, MD, PhD, Professor, University of Paris Medical School, Paris; G. David, MD, Associate Professor, University of Paris Medical School; P. Haegel, MD, Assistant Professor, University of Paris Medical School. Springer-Verlag, New York, Inc., 175 Fifth Avenue, New York City (10010), 1972. 110 pages with 226 figures, \$6.80 (soft cover).

**INCREASED INTRACRANIAL PRESSURE IN CHILDREN**—William E. Bell, MD, Professor, Departments of Pediatrics and Neurology, Director, Section of Pediatric Neurology, The University of Iowa College of Medicine, Iowa City; William F. McCormick, MD, Professor, Departments of Neurology and Pathology, and Chief, Division of Neuropathology, The University of Iowa College of Medicine, Iowa City.—Volume VIII in the Series—Major Problems in Clinical Pediatrics—Alexander J. Schaffer, Consulting Editor. W. B. Saunders Company, West Washington Square, Philadelphia (19105), 1972. 260 pages, \$16.00.

(Continued on Page 56)

# DIRECTORY

## HOSPITALS • SANITARIUMS • REST HOMES

### COMPTON FOUNDATION HOSPITAL

820 West Compton Boulevard  
COMPTON, CALIFORNIA 90220  
537-3070 631-1148

G. CRESWELL BURNS, M. D.  
*Administrator and Medical Director*

HELEN RISLOW BURNS, M. D.  
*Assistant Medical Director*

MEMBER OF

American Hospital Association and  
National Association of Private Psychiatric Hospitals

*High Standards of Psychiatric Treatment*  
..... *Serving the Los Angeles Area*



Accredited by  
Joint Commission on Accreditation of Hospitals

(Continued from Page 54)

**MALNUTRITION—Its Causation and Control—Volumes 1 and 2—**John R. K. Robson, School of Public Health, University of Michigan; in collaboration with Frances A. Larkin, Anita M. Sandretto and Brahram Tadayyon. Gordon and Breach, Science Publishers, Inc., 440 Park Avenue South, New York City (10016), 1972. 311 pages, no price listed.

**MENTAL RETARDATION—IV—An Annual Review—**Edited by Joseph Wortis, MD, Director of Developmental Services and Studies, Department of Psychiatry, Maimonides Medical Center, Brooklyn, N.Y. Grune & Stratton, Inc., 111 Fifth Ave., New York City (10003), 1972. 234 pages, \$15.75.

**ATHEROSCLEROSIS AND CORONARY HEART DISEASE—**Edited by William Likoff, MD, Clinical Professor of Medicine, Hahnemann Medical College and Hospital, Philadelphia, Pennsylvania; Bernard L. Segal, MD, Clinical Professor of Medicine and Director of Postgraduate Education, Division of Cardiology, Hahnemann Medical College and Hospital, Philadelphia; and William Insull, Jr., MD, Associate Professor of Pathology, Cornell University Medical College, and Adjunct Associate Professor, The Rockefeller University, New York. Grune & Stratton, Inc., Publishers, 111 Fifth Avenue, New York City (10003), 1972. 532 pages, \$29.75.

**CARDIAC SURGERY—Second Edition—**Edited by John C. Norman, MD, Appleton-Century-Crofts, Educational Division, Meredith Corporation, 440 Park Avenue South, New York City (10016), 1972. 703 pages, \$18.95.

**CHEMICAL INSTRUMENTATION: A Laboratory Manual Based on Clinical Chemistry—**Gary T. Bender, PhD, Associate Professor of Chemistry, University of Wisconsin-La Crosse, Consultant to the Clinical Laboratories, St. Francis Hospital and Lutheran Hospital, La Crosse. W. B. Saunders Company, West Washington Square, Philadelphia (19105), 1972. 291 pages, \$9.50.

**A CONCISE TEXTBOOK OF ANATOMY AND PHYSIOLOGY APPLIED FOR ORTHOPAEDIC NURSES—Third Edition—**Joyce W. Rowe, SRN, SCM, ONC, Senior Nursing Officer (Teaching Department), Royal National Orthopaedic Hospital, Stanmore, Middlesex; Victor H. Wheble, MA, BM, BCh (Oxon), FRCS Ed, Consultant Traumatic and Orthopaedic Surgeon, Ashton-under-Lyne General Hospital, Lancashire, Chairman of the Board of Studies, Association of Occupational Therapists, Lecturer for the Diploma of Nursing (London University), at Stockport College of Technology. The Williams & Wilkins Company 428 E. Preston St., Baltimore (21202), 1972. 698 pages, \$12.75.

**THE CRITICALLY ILL CHILD—Diagnosis and Management—**Edited by Clement A. Smith, MD. W. B. Saunders Company, West Washington Square, Philadelphia (19105), 1972. 276 pages, \$11.75.

**DAVIS-CHRISTOPHER TEXTBOOK OF SURGERY—Tenth Edition—**Edited by David C. Sabiston, Jr., MD, James B. Duke Professor and Chairman, Department of Surgery, Duke University Medical Center, Durham, North Carolina. W. B. Saunders Company, West Washington Square, Philadelphia (19105), 1972. Single Volume, 2135 pages, \$27.50. Two Volume Set, \$35.00.

**EARLY CARE OF THE INJURED PATIENT—**Committee on Trauma, American College of Surgeons. W. B. Saunders Company, West Washington Square, Philadelphia (19105), 1972. 441 pages, with 200 illustrations, \$9.00.

**FIFTY YEARS IN NEUROLOGY AND PSYCHIATRY—**Abram Elting Bennett, MD, Berkeley, California. Intercontinental Medical Book Corporation, Publisher, 381 Park Avenue South, New York City (10016), 1972. Illustrated, 166 pages, \$9.75.

**HEPATITIS AND BLOOD TRANSFUSION—**Edited by G. N. Vyas, MD, University of California, School of Medicine, San Francisco, California; Herbert A. Perkins, MD, Irwin Memorial Blood Bank, San Francisco, California; and Rudi Schmid, MD, PhD, University of California, San Francisco. Grune & Stratton, Publishers, 111 Fifth Avenue, New York City (10003), 1972. 428 pages, \$15.00.

**LID SURGERY—Current Concepts—**Sidney A. Fox, MS (Ophth.), MD, FACS, Quondam Clinical Professor of Ophthalmology, New York University School of Medicine, Grune & Stratton, Publisher, 111 Fifth Avenue, New York City (10003), 1972. 170 pages, \$15.00.

**MEDICAL SPECIALTY TERMINOLOGY—X-Ray and Nuclear Medicine—Volume Two—**Clara Gene Young, Retired Technical Editor and Writer (Medical), U.S. Civil Service, former Instructor, Medical Terminology, Good Samaritan Hospital, Phoenix; Joseph J. Likos, MD, Chief, Laboratory Service and Nuclear Medicine, Veterans Administration Hospital, Phoenix. The C. V. Mosby Company, 11830 Westline Industrial Drive, St. Louis, Mo. (63141), 1972. 283 pages, with 124 illustrations, \$15.75.

**MEDICINE IN A CHANGING SOCIETY—**Lawrence Corey, MD, Intern, Department of Internal Medicine, University of Michigan Medical Center, Ann Arbor; Stephen E. Saltman, MD, Intern, Department of Internal Medicine, University of Michigan Medical Center; Michael F. Epstein, MD, Intern, Children's Service, The Massachusetts General Hospital, Boston. The C. V. Mosby Company, 11830 Westline Industrial Drive, St. Louis, Mo. (63141), 1972. 228 pages, \$6.50 (Paperback).

**MEMBRANE STRUCTURE AND ITS BIOLOGICAL APPLICATIONS—Volume 185 of the Annals of the New York Academy of Sciences—**Editor: David E. Green, MD. The New York Academy of Sciences, 2 East 63rd Street, New York City (10021), 1972. 519 pages, no price given.

**MICROBIOLOGY—5th Edition—**Edited by Wolfgang K. Joklik, DPhil, James B. Duke Distinguished Professor of Microbiology and Immunology and Chairman, Department of Microbiology and Immunology, Duke University School of Medicine; David T. Smith, MD, James B. Duke Distinguished Professor of Microbiology Emeritus, Duke University School of Medicine. Appleton-Century-Crofts, Educational Division, Meredith Corporation, 440 Park Avenue South, New York City (10016), 1972. 1120 pages, \$23.75.

**THE PARENTS' GUIDE TO DRUGS—**Matthew Andrews. Doubleday & Company, Inc., 100 Park Avenue, New York City (10017), 1972. 186 pages, \$2.50 (Paperback).

**THE PATHOLOGICAL BASIS OF MEDICINE—**Edited by Professor R. C. Curran, MD, FRCP, FRS Ed, FRC Path, Leith Professor of Pathology and Chairman of the Division of Pathological Studies, United Birmingham Hospitals; Professor D. G. Harnden, PhD, FI Biol, MRC Path, Professor and Head of Department of Cancer Studies, University of Birmingham, Honorary Consulting Pathologist, United Birmingham Hospitals. W. B. Saunders Company, West Washington Square, Philadelphia (19105), 1972. 681 pages, with 311 illustrations, \$18.75.

(Continued on Page 58)

## VITRECTOMY IN SEVERELY INJURED EYES

Not many years ago, an 11-year-old boy came into my office with his eyeball cut wide open by an aluminum tent pole. The eye had been cut from the lateral rectus to the medial rectus; the iris and lens had been ripped out; and 98 percent of the vitreous was gone. . . . All that was left of the eye was a retina and a torn cornea.

I took the boy to the operating room, cleaned up the remaining parts of the vitreous, cut it out, cleaned up the wound, did my special potato-sack maneuver (held up the eye and then sewed it up with multiple sutures, one every millimeter), and filled it up with air and saline. (I don't use air anymore.) I figured I'd give the eye a ten-day period of grace, and then tell the parents, "Sorry, it has to come out."

But lo and behold, the eye did well. It whitened, the kid could see hand movements. . . . There was no reason to take it out. By the time the eye healed white, with no red ciliary flush and with a contact lens, he was seeing 20/50. And I see him to this day. . . .

This has not been a solo case. I've done the same thing in a four-year-old child, a five-year-old child, a little girl who slid down the windshield of her father's truck and ripped her eye open with a windshield wiper, in another kid who had a stick jabbed into his eye. We cleaned these eyes out, because to leave lens material and vitreous mixed together is death for an eye. . . .

All this taught me something. These eyes went on and lived. . . . The eyeball can actually live without vitreous. It doesn't need it. I've shown this over and over again subsequently—in amyloidosis cases, in dislocated lens cases, in persistent hyperplastic vitreous cases, in old blood hemorrhage cases where you take the vitreous out completely. The eyes go on to live. . . .

In summary what I've tried to bring out is that to me, the vitreous of the eye can be put in the same category as the appendix. So long as it behaves itself, you can let it alone. But as soon as it threatens the eye, as soon as it becomes an enemy—get rid of it. The second point is that the best way to get rid of it at this time is to cut it out. Aspirating is fine to expedite getting out the fluid vitreous, but if formed vitreous is troubling you, you must cut it. The third point is, you shouldn't fear removing great gobs of vitreous because the eye can get along without it.

—DAVID KASNER, MD, Miami  
Extracted from *Audio-Digest Ophthalmology*, Vol. 7, No. 22, in the Audio-Digest Foundation's subscription series of tape-recorded programs.

## STREPTOCOCCAL PHARYNGITIS IN CHILDREN

(Ideally the clinician should do a throat culture to make the diagnosis of streptococcal pharyngitis in a child complaining of sore throat. But if he's unable or unwilling to do so, there are some clues that will help him determine the likelihood of a strep infection.)

If the child who is over three to five years of age, presents with fever, unequivocal erythema, and exudate (pus) over the tonsillar areas, the probability is 90 percent that he has Group A beta-hemolytic streptococcal pharyngitis-tonsillitis. At the other end of the spectrum, if the child only has mild pharyngitis—that is, complains of sore throat, has slight erythema, but no exudate or fever—then the probability is high that his disease is due to a viral agent and therefore is not treatable. In between the mild and severe pharyngitis, we have the category of moderate pharyngitis, that is, the patient with two of the three characteristics of fever, erythema, and exudate. In these patients, you can flip a coin because about half have streptococcal pharyngitis and are treatable and about half have viral pharyngitis and are untreatable.

There are other factors to be considered in trying to determine whether a given patient with tonsillitis has streptococcal disease. First of all, if a child with tonsillitis-pharyngitis has tender submandibular tonsillar lymph nodes, this is highly indicative of a streptococcal pharyngitis, because with viral pharyngitis we do not usually see early tender enlargement of the tonsillar lymph nodes. On the negative side, if the child has hoarseness associated with tonsillitis or if he has an upper respiratory infection manifested by a seromucoid discharge from the nose, rhinitis, and cough, the likelihood is that he has a viral disease and not streptococcal pharyngitis.

Some people have suggested that the presence of petechiae on the soft palate indicates a streptococcal etiology to the pharyngitis and tonsillitis. This is certainly seen in streptococcal pharyngitis but it is also seen in viral infections involving the tonsils and pharynx and particularly in infectious mononucleosis. Therefore if you're not going to take a culture, I would recommend that all children with severe pharyngitis who have exudate, fever, and erythema be treated as having streptococcal pharyngitis.

—HENRY G. CRAMBLETT, MD, Columbus, Ohio  
Extracted from *Audio-Digest Pediatrics*, Vol. 15, No. 22, in the Audio-Digest Foundation's subscription series of tape-recorded programs

*"For the American physician who has an inquisitive mind . . ."*\*

# ACUPUNCTURE THERAPY

## Current Chinese Practice

Leong T. Tan, M.D., F.A.C.S., Margaret Y.-C. Tan, M.S.,  
and Ilza Veith, M.A., Ph.D.

Foreword by Walter R. Tkach, M.D.

The first text in English based on sources from the People's Republic of China, presenting up-to-date refinements in traditional acupuncture therapy, including techniques of acupuncture anesthesia. With sections on needles, techniques of insertion, moxibustion, and electric acupuncture; descriptions of essential acupuncture points and their location, and the treatment of specific diseases; many diagrams and lists of points for the treatment of a wide variety of diseases.

\*"This book is most timely. . . . The physician who uses this book will gain an additional therapeutic modality in the everyday management of musculo-skeletal disorders which cause benign intractable pain."—L. W. Krumpnerman, Director, Pain Clinic, Temple University Hospital

Pre-publication offer: \$12.50 on orders received by April 25. \$15.00 thereafter.

## TEMPLE UNIVERSITY PRESS

Philadelphia, Pa. 19122

(Continued from Page 56)

**PRACTICAL LABORATORY MYCOLOGY**—Elmer W. Koneman, MD, Sarah E. Fann, MT, ASCP. Medcom, Inc., 2 Hammarckjold Plaza, New York City (10017), 1972. 57 pages, no price listed.

**PROGRESS IN CLINICAL PATHOLOGY—Volume IV**—Editor: Mario Stefanini, MD. Grune & Stratton, Inc., Medical and Scientific Publishers, 111 Fifth Avenue, New York City (10003), 1972. 340 pages, \$24.75.

**RESPIRATION IN HEALTH AND DISEASE—Second Edition**—Reuben M. Cherniack, MD, Professor of Medicine, University of Manitoba, Director, Joint Respiratory Programme, University of Manitoba, Head, Section of Respiratory Diseases, Winnipeg General Hospital, Director, Respiratory Division, Clinical Investigation Unit, Winnipeg General Hospital, Physician, Winnipeg General Hospital and Rehabilitation Hospital—D. A. Stewart Centre; Louis Cherniack, MD, Associate Professor of Medicine, University of Manitoba, Physician, Winnipeg General Hospital and Rehabilitation Hospital—D. A. Stewart Centre; Arnold Naimark, MD, Dean of Medicine, Professor and Head, Department of Physiology, University of Manitoba, Associate Director, Respiratory Division, Clinical Investigation Unit, Winnipeg General Hospital, Physician, Winnipeg General Hospital, W. B. Saunders Company, West Washington Square, Philadelphia (19105), 1972. 496 pages with 115 illustrations, \$14.50.

**REVIEW OF MEDICAL MICROBIOLOGY—Tenth Edition**—Ernest Jawetz, PhD, MD, Professor of Microbiology and Chairman, Department of Microbiology, Professor of Medicine, Lecturer in Pediatrics, University of California, San Francisco, Joseph L. Melnick, PhD, Professor of Virology and Epidemiology, Baylor University College of Medicine, Houston; Edward A. Adelberg, PhD, Professor of Microbiology and Chairman, Department of Microbiology, Yale University School of Medicine, New Haven. Lange Medical Publications, Drawer L, Los Altos, Ca. (94022). 518 pages, \$8.00.

**SALT, THE MYSTERIOUS NECESSITY**—Edited by Mark Batterson and William W. Boddie. Public and Community Relations, The Dow Chemical Company, 2020 Dow Center, Midland, Mi. (48640), 1972. 112 pages, \$6.95 in hard cover edition and \$5.95 soft cover edition.

**SURGERY OF THE ELBOW—Second Edition**—Frederick M. Smith, MD, Former Associate Attending Orthopedic Surgeon, Presbyterian Hospital, New York Orthopedic Hospital and Vanderbilt Clinic. W. B. Saunders Company, West Washington Square, Philadelphia (19105), 1972. 340 pages with 154 illustrations, \$14.00.

**SYNTAX, SPEECH & HEARING—Applied Linguistics for Teachers of Children With Language and Hearing Disabilities**—Alice H. Streng, Professor Emeritus, Department of Exceptional Children, The University of Wisconsin—Milwaukee. Grune & Stratton, Inc., Medical and Scientific Publishers, 111 Fifth Avenue, New York City (10003), 1972. 290 pages, \$12.75.

**ULTRASTRUCTURE OF BONE AND JOINT DISEASES**—Kazushi Hirohata, MD, Associate Professor, Department of Orthopedic Surgery, Kobe University School of Medicine, Kobe, Japan; and Kazuo Morimoto, MD, Instructor, Department of Orthopedic Surgery, Kobe University School of Medicine, Kobe, Japan. Igaku Shoin Ltd., Tokyo, Publisher; Distributed by Grune & Stratton, 111 Fifth Avenue New York City (10003), 1972. 339 pages, \$35.00.

**THE UPPER CERVICAL SPINE—Regional Anatomy, Pathology and Traumatology—A Systematic Radiological Atlas and Textbook**—Detlef von Torklus, MD, and Walter Gehle, MD, Orthopaedic Clinic and Outpatient Department, University Hospital, Hamburg; Translator, I. S. Michaelis, MD, Soubury, England. Grune & Stratton, Inc., 111 Fifth Ave., New York City (10003), 1972. 101 pages, 244 illustrations, \$15.00.

**URINARY TRACT INFECTION AND ITS MANAGEMENT**—Edited by Donald Kave, MD, Professor and Chairman, Department of Medicine, The Medical College of Pennsylvania, Philadelphia. The C. V. Mosby Company, 11830 Westline Industrial Drive, St. Louis, Mo. (63141), 1972. 290 pages, \$22.50.

**U.S. HEALTH CARE—What's Wrong and What's Right**—Stephen P. Strickland, PhD. Universe Books, 381 Park Avenue South, New York City (10016), 1972. 127 pages, \$2.45 (Paperback).

**VECTORCARDIOGRAPHY IN CONGENITAL HEART DISEASE—A Method for Estimating Severity**—R. Curtis Ellison, MD, Associate in Cardiology, Children's Hospital Medical Center, Assistant Professor of Pediatrics at the Children's Hospital, Harvard Medical School, Boston; Norma J. Restieaux, MB, ChB, FRACP, MRCP (London), Senior Lecturer in Medicine and Cardiologist, University of Otago Medical School, New Zealand, Formerly, Fellow in Cardiology, Children's Hospital Medical Center, Boston. W. B. Saunders Company, West Washington Square, Philadelphia (19105), 1972. 209 pages, with 138 illustrations, \$13.50.

**VITAMIN E AND AGING**—Erwin Di Cyan, PhD: Foreword by Christopher Cook, MD, Association of Life Insurance Medical Directors of America, Pyramid Communications, Inc., 919 Third Avenue, New York City (10022), 1972. 176 pages, \$1.25 (Paperback).